



IFW  
Docket No. 81665/6776

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Applicant : **Zhiyi Xie et al.**

Appl. No. : **10/840,208**

Filed : **May 5, 2004**

Title : **DETECTION OF CHROMOSOMAL  
DISORDERS**

TC/A.U. : **1645**

Examiner : **To be Assigned**

Customer No. : **22242**

Conf. No. : **7906**

) Certificate of Transmission/Mailing  
I hereby certify that this correspondence is  
being facsimile transmitted to the USPTO,  
Fax. No. (571) 273-8300, or deposited with  
the United States Postal Service with sufficient  
postage as first class mail in an envelope  
addressed to: Commissioner for Patents, P.O.  
Box 1450, Alexandria, VA 22313-1450, on  
the date shown below:

) September 27, 2005  
Date

) Theresa R. Olmstead  
Theresa R. Olmstead

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit the references listed on the attached forms PTO/SB/08A and PTO/SB/08B, copies of which are enclosed. This statement is being filed before the receipt of a first Office Action on the merits.

In accordance with the duty of disclosure imposed by 37 CFR § 1.56 to inform the Patent Office of all patents, publications, applications and other information known by Applicants or Applicants' representative that may be material to the examination of the subject application, Applicants' representative hereby provides this Information Disclosure

IDS

Application No. 10/840,208

Page 2

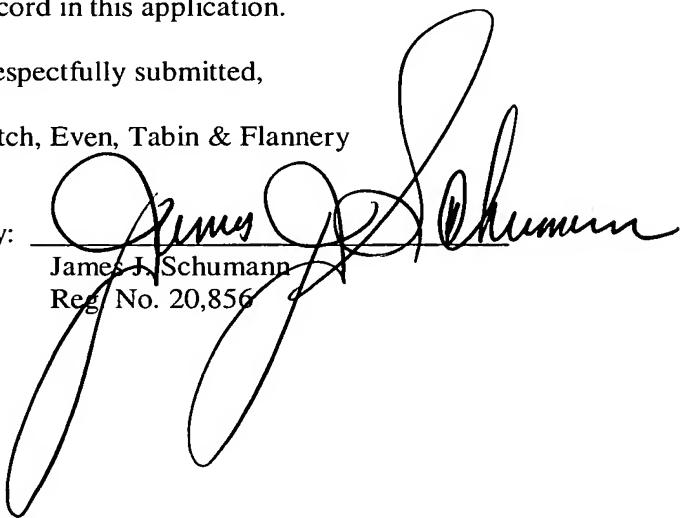
Statement that is prepared in accordance with 37 CFR §§ 1.97-1.98 and includes Forms PTO/SB/08A and PTO/SB/08B listing eight (8) references, and copies of those listed as A-G.

The information appeared in the International Search Report prepared by the European Patent Office in a corresponding PCT application, and it is requested that the information provided herein be made of record in this application.

Respectfully submitted,

Fitch, Even, Tabin & Flannery

By:

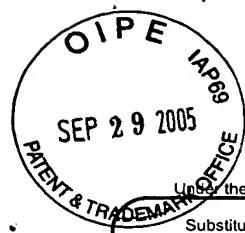
  
James J. Schumann  
Reg. No. 20,856

Date: September 21, 2005

Address all correspondence to:  
FITCH, EVEN, TABIN & FLANNERY  
120 So. LaSalle Street, Ste. 1600  
Chicago, IL 60603

Direct telephone inquiries to:  
James J. Schumann  
(858) 587-7642  
San Diego, California Office of  
FITCH, EVEN, TABIN & FLANNERY

428452\_1



SEP 29 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Complete if Known	
Application Number	10/840,208
Filing Date	May 5, 2004
First Named Inventor	Zhiyi Xie
Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	81665/6776

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/840,208
				Filing Date	May 5, 2004
				First Named Inventor	Zhiyi Xie
				Art Unit	1645
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	81665/6776

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	A	RAHIL HAISSAM ET AL: "Rapid Detection of Common Autosomal Aneuploidies By Quantitative Fluorescent PCR on Uncultured Amniocytes", EUROPEAN JOURNAL OF HUMAN GENETICS: DJHG, Aug 2002, Vol 10, No 8, pp. 462-466, ISSN: 1018-4813		
	B	CHIZHIKOV V ET AL: "Microarray Analysis of Microbial Virulence Factors", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, Washington DC, Vol 67, No 7, July 2001, pp. 3258-3263, ISSN: 0099-2240		
	C	ZIMMERMANN B ET AL: "Novel Real-Time Quantitative PCR Test for Trisomy 21", CLINICAL CHEMISTRY, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY, Vol 48, No 2, 2002, pp. 362-363, ISSN: 0009-9147		
	D	HIGUCHI R G ET AL: "Production of Single-Stranded DNA Templates By Exonuclease Digestion Following the Polymerase Chain Reaction", NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, Surrey, GV, Vol 17, No 19, 11 October 1989, page 5865, ISSN: 0305-1048		
	E	POLLACK J R ET AL: "Genome-Wide Analysis of DNA Copy-Number Changes Using cDNA Microarrays", NATURE GENETICS, NATURE AMERICA, NEW YORK, Vol 23, No 1, September 1999, pp. 41-46, ISSN: 1061-4036		
	F	WELLS DAGAN ET AL: "Cytogenetics in Reproductive Medicine: The Contribution of Comparative Genomic Hybridization (CGH)", BIOESSAYS: NEWS AND REVIEWS IN MOLECULAR, CELLULAR, AND DEVELOPMENTAL BIOLOGY, Vol 25, No 3, March 2003, pp. 289-300, ISSN: 0265-9247		
	G	ARMOUR J A L ET AL: "The Detection of Large Deletions or Duplications In Genomic DNA", HUMAN MUTATION, Nov. 2002, Vol 20, No 5, pp. 325-337, ISSN: 1098-1004		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.